

1 Attorney Docket No. 82999

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3 AN APPARATUS FOR DEPLOYING AND RECOVERING A TOWED
4 ACOUSTIC LINE ARRAY FROM AN UNMANNED UNDERSEA VEHICLE

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6 ABSTRACT OF THE DISCLOSURE

7 A free flooded section of an unmanned undersea vehicle (UUV)
8 contains a rotating cylindrical drum, which serves as a spool for a
9 towed line array cable. At the end of the cable is a reverse
10 thruster with the ability to propel itself away from the UUV when the
11 UUV is submerged. The thruster moves away from the UUV, pulling the
12 cable and unspooling it as it does so in order to deploy the array.
13 To recover the array, the cylindrical drum rotates to reel in the
14 cable. The cable is guided through a series of winding guides that
15 allow the cable to be wound evenly on the drum.